

REMARKS**Rejections under 35 U.S.C. § 102**

Claims 1-6 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,616,461 to Bellinghausen et al. (hereinafter "Bellinghausen").

Claims 1 and 7-20 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,409,522 to Onizuka (hereinafter "Onizuka").

Claims 1-20 have been cancelled without prejudice. Accordingly, the rejection of these claims is not addressed herein.

New Claims

Applicants have added new claims 21-29. Claims 21-29 are supported by the original application. No new matter has been entered.

Claim 21 recites:

- a first circuit board supporting a plurality of blade elements that each include respective electronic circuitry;
- a second circuit board for distributing power and control signals to said plurality of blade elements coupled to said first circuit board;
- said first circuit board being disposed on a first side of said second circuit board;
- said second circuit board comprising a plurality of slots and said plurality of blade elements are coupled through said slots and engage connectors disposed on a second side of said second circuit board; and
- at least one heat sink attached to said first circuit board and contacting electronic components on said second circuit board.

Claim 26 recites:

- means for supporting a plurality of blade elements that each include respective electronic circuitry;
- means for distributing power and control signals to said plurality of blade elements coupled to said first circuit board;
- wherein said means for supporting is disposed on a first side of said means for distributing, said means for distributing comprises a plurality of slots, and said plurality of blade elements are coupled through said slots and engage connectors disposed on a second side of said means for distributing; and
- means for dissipating heat generated by electronics of said means for distributing, wherein said means for dissipating is attached to said means for supporting.

Applicants respectfully submit that the cited art does not teach or suggest each and every limitation of these claims. Bellinghausen is merely directed to a structure that aligns the bridge rectifier with contacts to a circuit board. *See* Col. 2, lines 21-41 of Bellinghausen. Bellinghausen does not teach or suggest blade elements having electronic circuitry. Moreover, there is no communication of control signals to electronic circuitry of blade elements in Bellinghausen. Onizuka is merely directed to a circuit connection structure having "knife-edges" on an insulating board that couple to electric wires of a circuit board. *See* Abstract of Onizuka. Onizuka does not teach or suggest blade elements having electronic circuitry. Moreover, there is no communication of control signals to electronic circuitry of blade elements in Onizuka. In addition, the cited references do not teach or suggest a heat sink or means for dissipating heat that is arranged in the manner recited by claims 21 and 26.

Accordingly, claims 21 and 26 are patentable over the cited art. Claims 22-25 and 27-29 depend from claims 21 and 26 respectively and, hence, are likewise patentable.

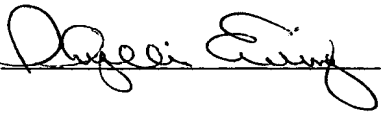
Conclusion

In view of the above amendment, Applicants believe the pending application is in condition for allowance. Applicants believe no fee is due with this response. However, if a fee is due, please charge Deposit Account No. 08-2025, under Order No. 200315828-1 from which the undersigned is authorized to draw.

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV482746194US, in an envelope addressed to: MS Amendment, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Date of Deposit: December 6, 2004

Typed Name: Phyllis Ewing

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Respectfully submitted,

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